

Tessellation 2

Suite: Tessellation Party!

by Arya Akhavan (October 2012)

Angles for R.I. = 1.610

22 + 6 girdles = 28 facets

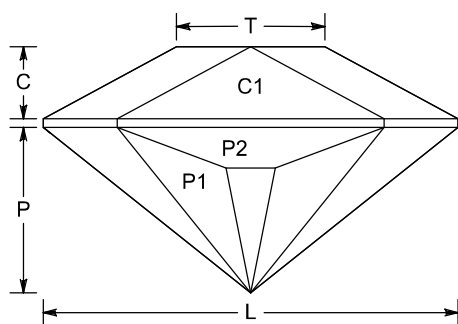
3-fold, mirror-image symmetry

96 index

$L/W = 1.155$ $T/W = 0.412$ $U/W = 0.357$

$P/W = 0.460$ $C/W = 0.200$

$\text{Vol.}/W^3 = 0.248$



PAVILION

P1 40.00° 96-05-16-27-32-37-48-59-64-69-80-91 Cut to centerpoint.

G1 90.00° 96-32-64 Set stone size.

G2 90.00° 16-48-80 Meet P1, G2

P2 70.98° 96-32-64 Level girdle.

CROWN

C1 43.00° 96-32-64 Set girdle width.

C2 25.00° 16-48-80 Level girdle.

T 0.00° Table Meet C1, C2

Wow, this design is simple. It's the simplest possible semiregular tessellation pattern that can be turned into a stone. For something with so few facets, it performs surprisingly well, just like my "Triforce" pattern does. Should work very well for thinner rough without compromising appearance. Written for indicolite, but works in any material from topaz to zircon (RI = 1.61 - 1.93) with no changes.

C:\Users\ARYADE~1\Pictures\Gems\DESIGN~1\WORKSI~1\Fixed\TESSEL~4.GEM